

FIGURE 20
Spent Acid Storage Tank
(Monel Tank)
SWMU #005



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

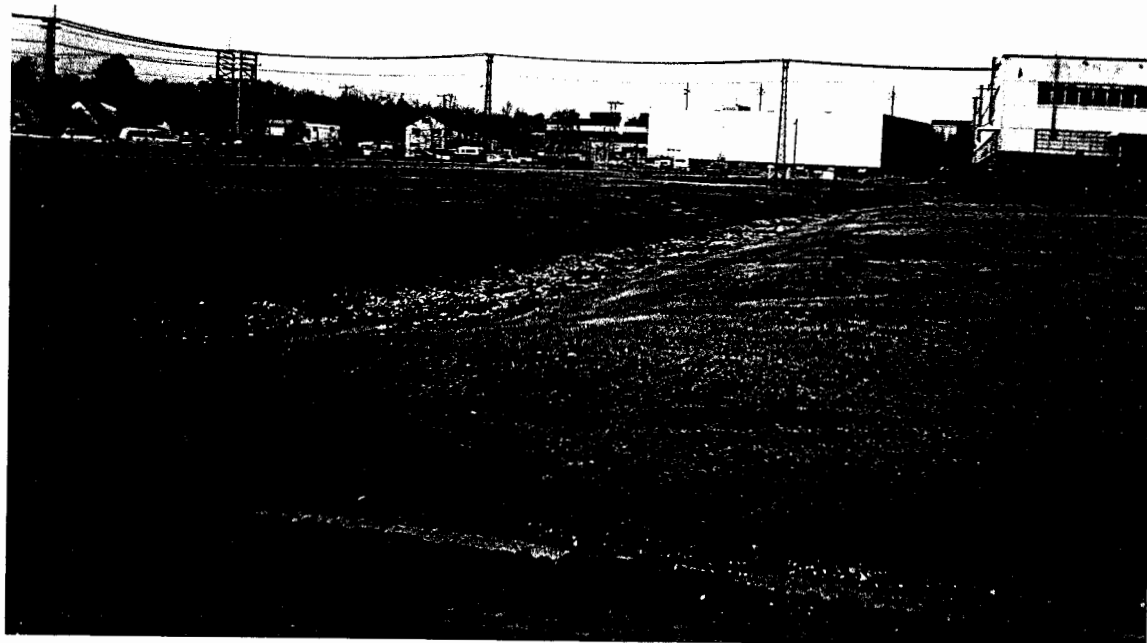
AOC ID NO.: 003

DATE: JANUARY 22, 1992

LOCATION: East point of facility
(Sulfuric Acid Spill Area)

PHOTO No.: 5 of Roll 4

DESCRIPTION: Looking from tank toward ditch in sulfuric acid spill area.
Spill traveled through this area, shown in the above picture,
and was discharged to POTW.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

AOC ID NO.: 003

DATE: January 22, 1992

LOCATION: East Point of facility
(site of Sulfuric Acid Spill)

PHOTO No.: 6 of Roll 4

DESCRIPTION: The drain shown was pipe is to spill passway (through french drain) that reached, and was discharged, to the city sewer system. Inco neutralized by adding spilled soda ash. This spill was reported on 7/28/90, approximately 300-500/gallons were spilled.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

SWMU ID NO.: 001

DATE: January 22, 1992

LOCATION: Drum Storage Area near
Shipping building

PHOTO No.: 7 of Roll 4

DESCRIPTION: Leaking storage drum (hydraulic oil). It should not have been sent to container storage area. This is in the general area of drum storage area, SWMU 001.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

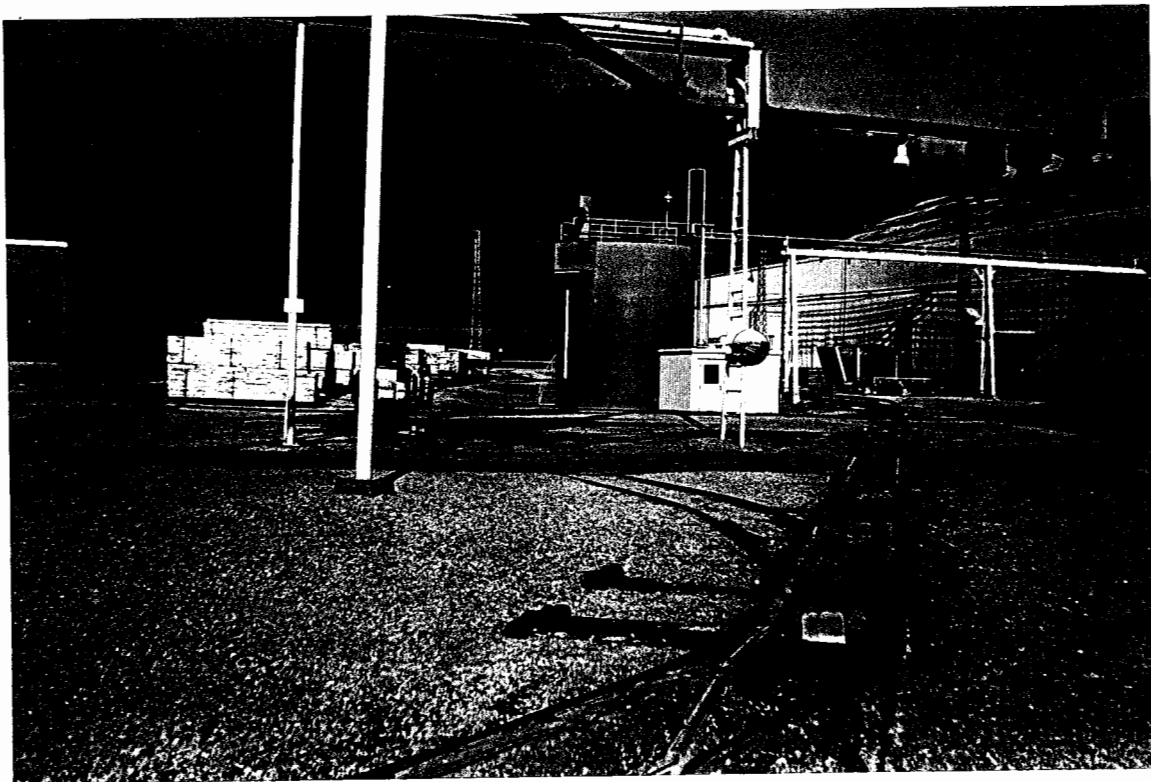
SWMU ID NO.: 10 and 12

DATE: January 22, 1992

LOCATION: Closed Waste Pile Area and
Old Lagoon No. 3

PHOTO No.: 8 of Roll 4

DESCRIPTION: Closed waste pile area. Tailings, slag and carbonates were stored in closed Lagoon No. 3.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

SWMU ID NO.: 008

DATE: January 21, 1992

LOCATION: Old Lagoon No. 1 Area

PHOTO No.: 9 of Roll 4

DESCRIPTION: Blue tank is current liquid waste equalization tank (same as picture #3 of Roll 2) that is located in Old Lagoon No. 1 area.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

SWMU ID NO.: 15

DATE: January 21, 1992

LOCATION: Barium Chloride Area (closed)

PHOTO No.: 10 of Roll 4

DESCRIPTION: Closed barium chloride salt area - no longer using ball.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

SWMU ID NO.: 002

DATE: January 21, 1992

LOCATION: Baghouse Dust Storage Area
(closed)

PHOTO No.: 11 of Roll 4

DESCRIPTION: Closed baghouse dust storage area. Was previously permitting but closed on March 17, 1983. Water drains to city sewers.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

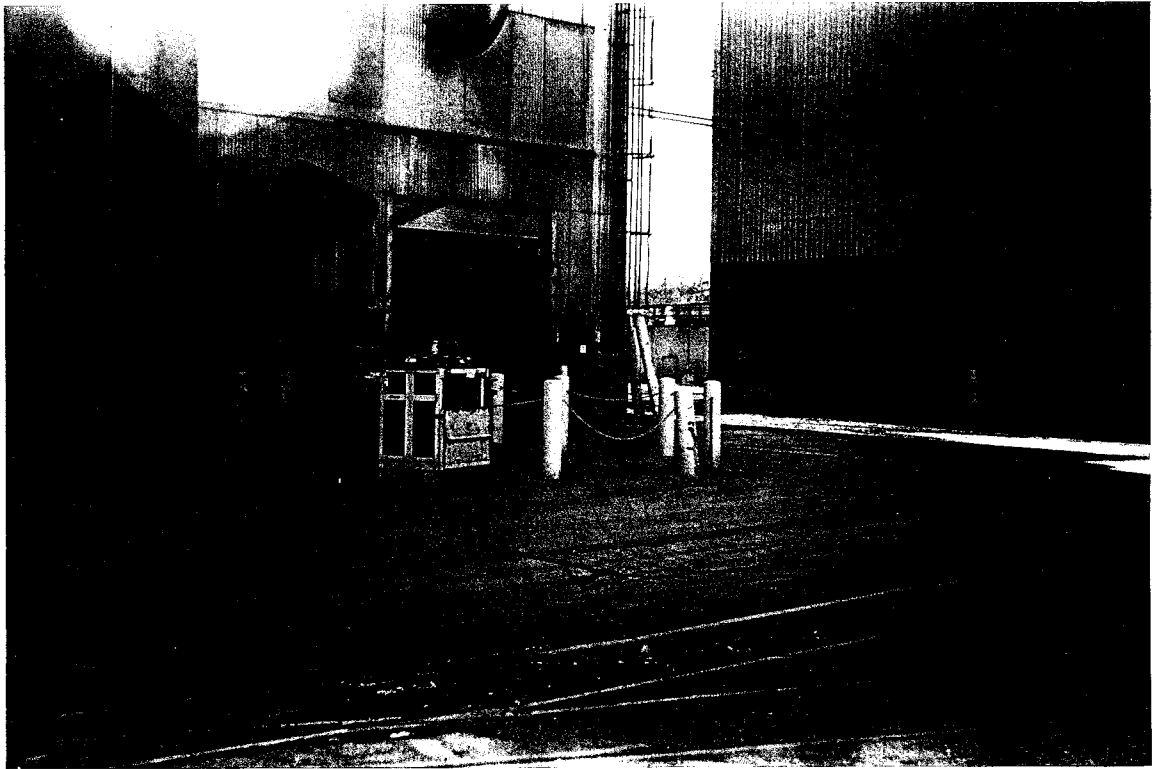
SWMU ID NO.: 011

DATE: January 21, 1992

LOCATION: Closed Landfill Area

PHOTO No.: 12 of Roll 4

DESCRIPTION: Closed landfill area (from different angle).



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

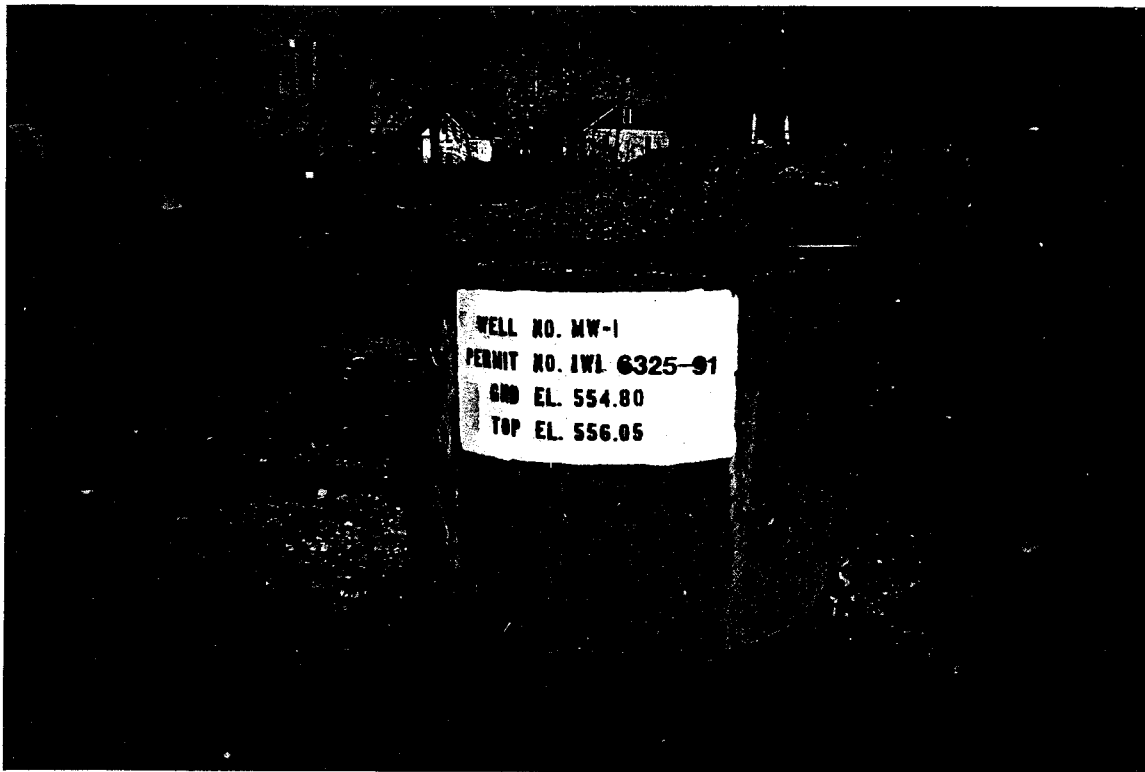
SWMU ID NO.: 011

DATE: January 21, 1992

LOCATION: Closed Landfill Area

PHOTO No.: 13 of Roll 4

DESCRIPTION: Closed landfill area, operated from 1920-1964 (area is concrete capped).



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

SWMU NO.:16

DATE: January 21, 1992

LOCATION: Existing Tailing Pond Area
(Well head protector)

PHOTO No.: 1 of Roll 3

DESCRIPTION: Monitoring well in existing tailing pond area.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

SWMU NO.:16

DATE: January 21, 1992

LOCATION: Existing West Tailing Pond

PHOTO No.: 2 of Roll 3

DESCRIPTION: Existing tailing pond area, pond is in operation. Pot lining materials are stored in the pond presently. This unit is permitted by WV, Office of Water Resources, NPDES Section.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

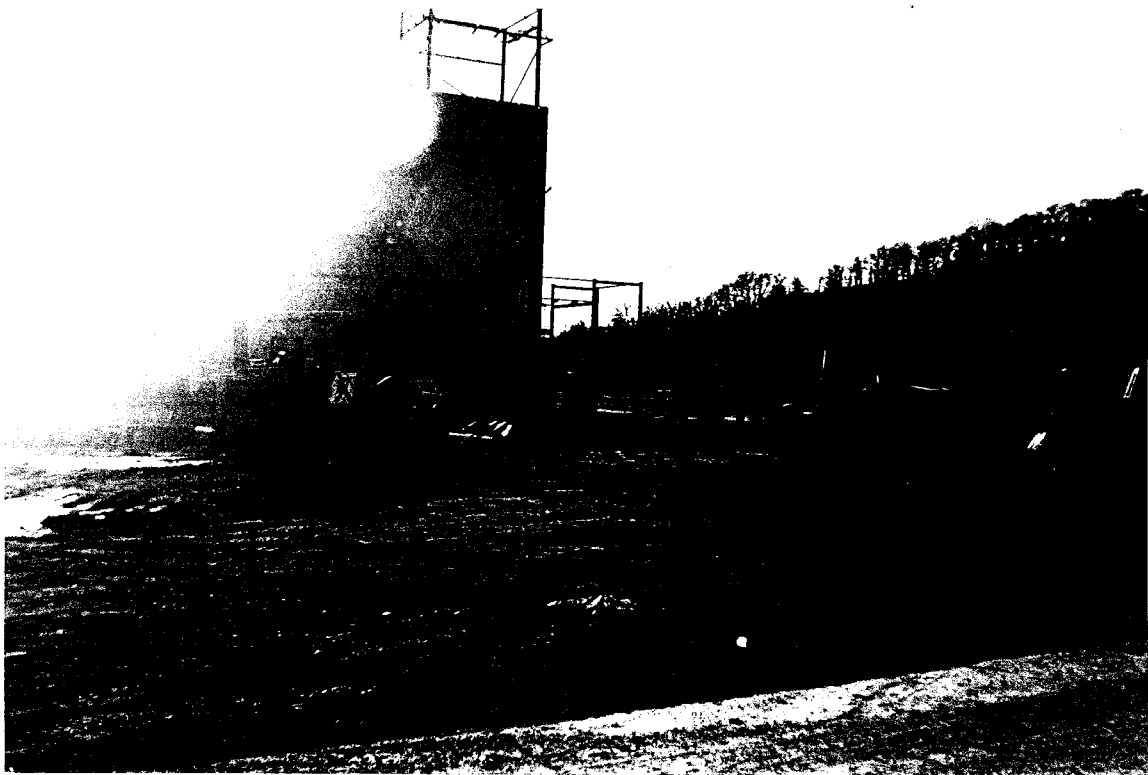
SWMU NO.:16

DATE: January 21, 1992

LOCATION: Well Head Protection in Existing West Tailing Pond Area

PHOTO No.: 3 of Roll 3

DESCRIPTION: Monitoring Well Head - upstream in existing west tailing pond in operation Well is surrounded with a concrete protective barrier



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

SWMU ID NO.:007

DATE: January 21, 1992

LOCATION: (Old) West Tailing Pond-closed

PHOTO No.: 4 of Roll 3

DESCRIPTION: Old tailing pond area. Pond was closed and capped in 1972.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

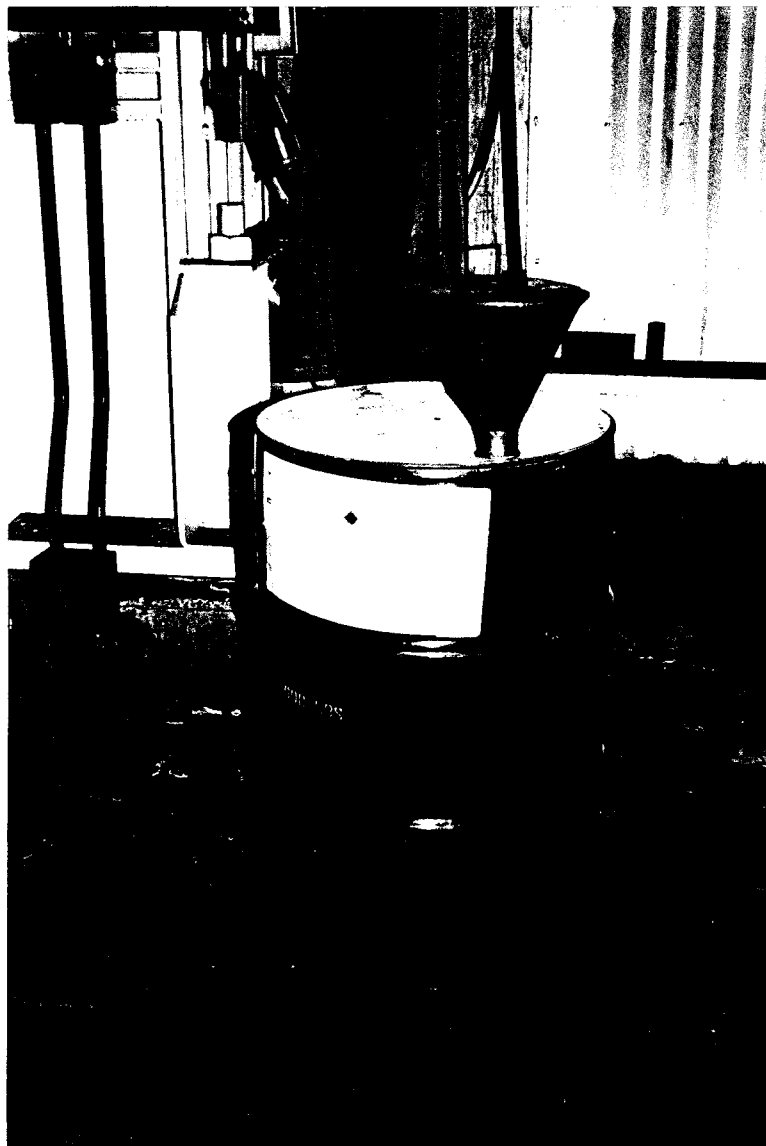
SWMU ID NO.: 009

DATE: January 21, 1992

LOCATION: Old Lagoon No. 2 (closed)

PHOTO No.: 5 of Roll 3

DESCRIPTION: Old location of lagoon #2, closed in 1980.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

SWMU ID NO.: 27

DATE: January 21, 1992

LOCATION: Satellite Accumulation Area
Primary Mill Area

PHOTO No.: 6 of Roll 3

DESCRIPTION: 1,1,1 Trichloroethane satellite accumulation area in primary mill.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

SWMU NO.: 27

DATE: January 21, 1992

LOCATION: Satellite Accumulation Area
(Primary Mill Department)

PHOTO No.: 7 of Roll 3

DESCRIPTION: 1,1,1 Tri-chloroethane satellite Accumulation, located in
Primary Mill drilling station.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

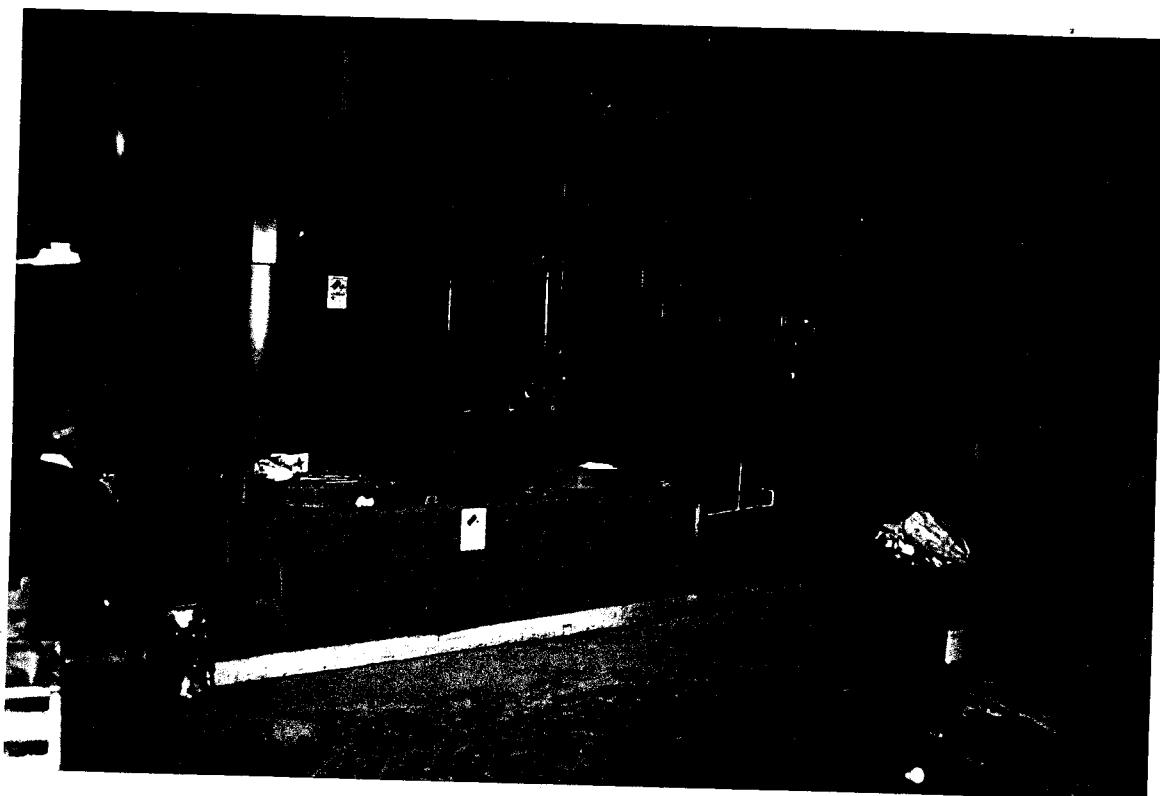
SWMU NO.: 013

DATE: January 21, 1992

LOCATION: Soluable Oil recycling unit
Strip Mill area

PHOTO No.: 8 of Roll 3

DESCRIPTION: Soluable hydraulic oil recycling and storage tanks.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

SWMU NO.: 013

DATE: January 21, 1992

LOCATION: Hydraulic Oil recycling
area in Strip Mill

PHOTO No.: 9 of Roll 3

DESCRIPTION: Soluable oil recycling station in strip mill area.
Collected water from recycling goes to pre-treatment. Note -
Metal pan as secondary containment is placed on concrete
floor.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

SWMU NO.:27

DATE: January 21, 1992

LOCATION: Satellite Accumulation Area

PHOTO No.: 10 of Roll 3

DESCRIPTION: Kolene salt bath, satellite accumulation of hazardous waste.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

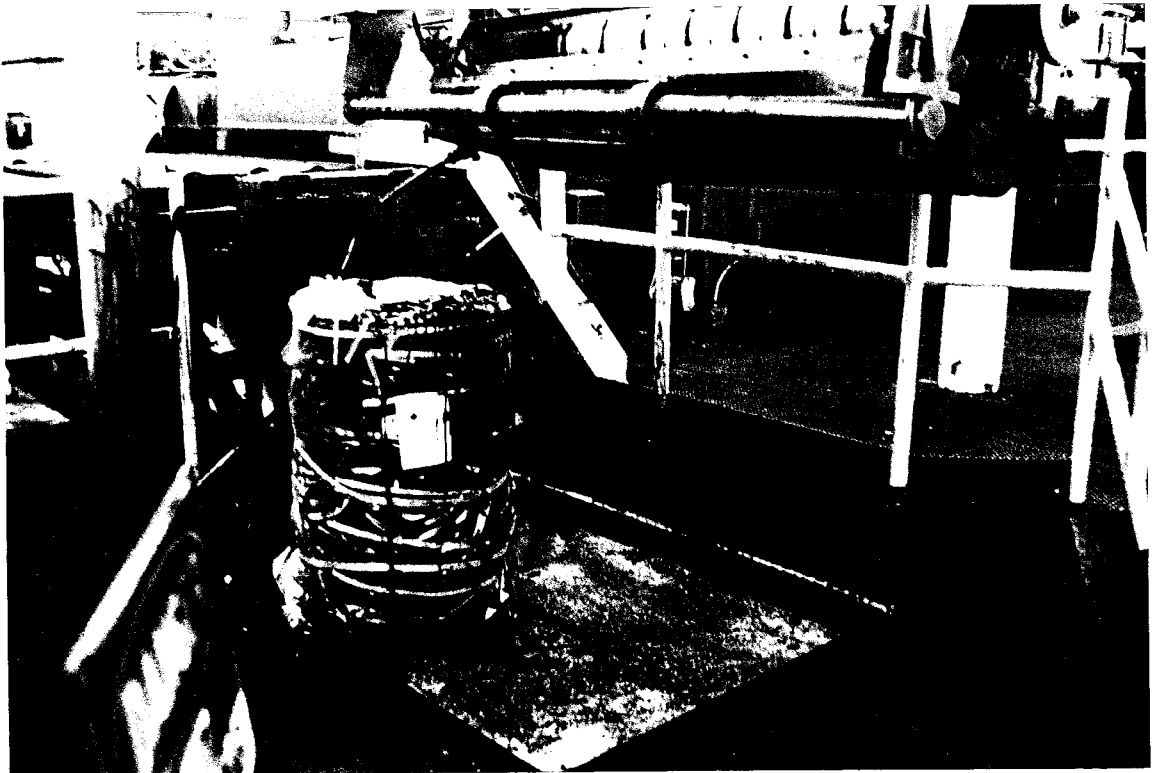
SWMU NO.:27

DATE: January 21, 1992

LOCATION: Satellite Accumulation Area

PHOTO No.: 11 of Roll 3

DESCRIPTION: Kolene salt bath, satellite accumulation of hazardous waste.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

SWMUNO.:27

DATE: January 21, 1992

LOCATION: Satellite Accumulation Area

PHOTO No.: 12 of Roll 3

DESCRIPTION: Strip mill, satellite accumulation of hazardous waste.
Strip Mill Department



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

SWMU No: 034

DATE: January 20, 1992

LOCATION: Cold Draw Building

PHOTO No.: 13 of Roll 3

Trash Dumpster containing waste oil

DESCRIPTION:

Dumpster with hydraulic waste oil dripping from it, noticed outside cold draw building (west wing).



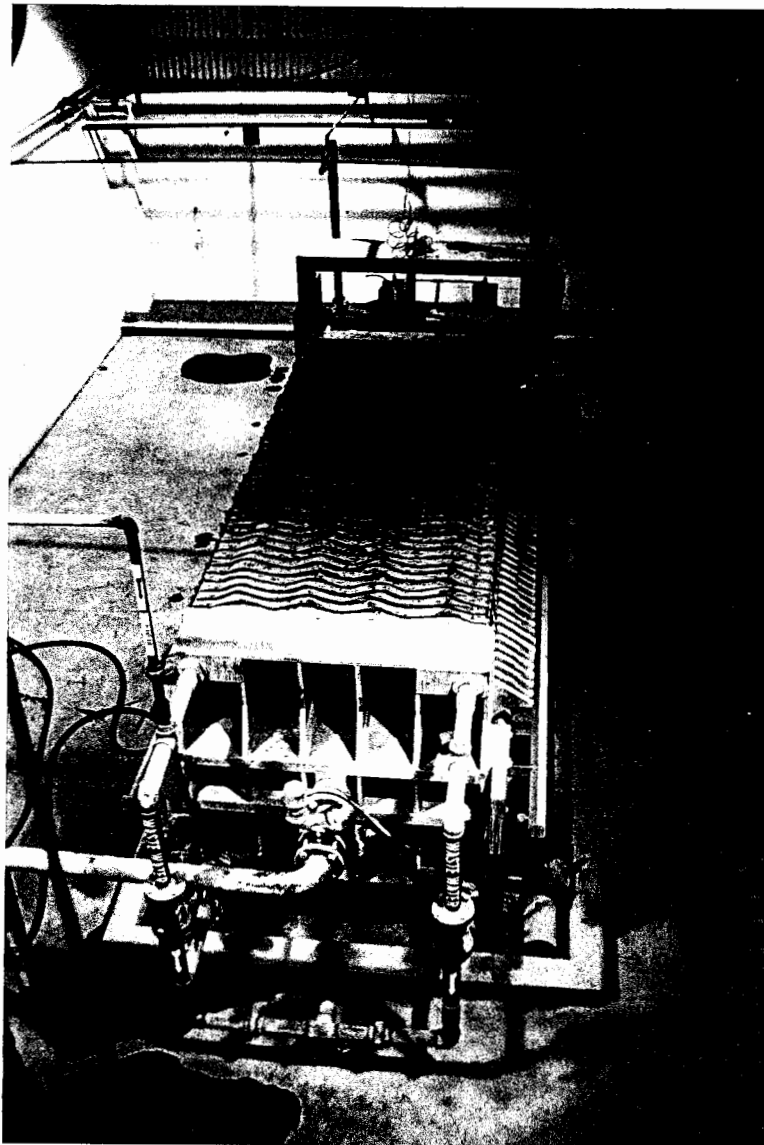
FACILITY: INCO ALLOYS INTERNATIONAL, INC.

SWMU NO.: 28

DATE: January 21, 1992

LOCATION: Final wastewater treatment plant PHOTO No.: 1 of Roll 2

DESCRIPTION: Out-fall from WWT Plant discharges to city of Huntington, POTW thru sewer. Tank #2211411 stores treated wastewater prior to discharge



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

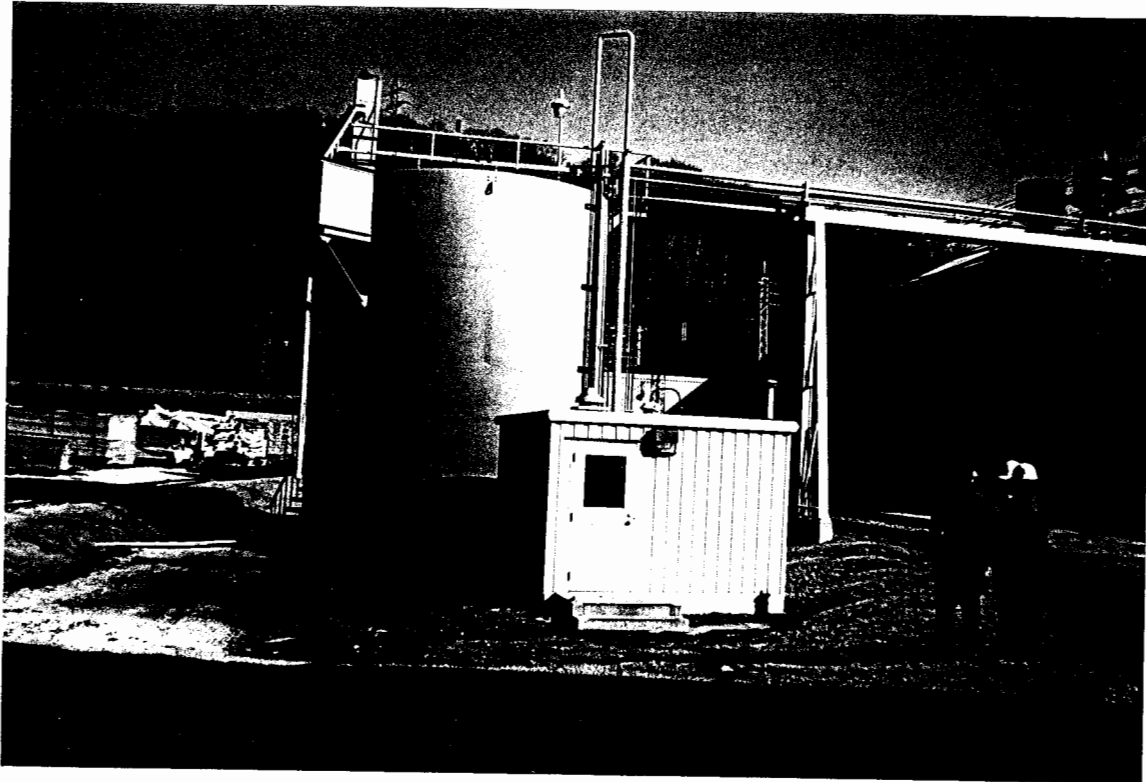
SWMU NO.: 28

DATE: January 21, 1992

LOCATION: Final Pre-treatment Plant

PHOTO No.: 2 of Roll 2

DESCRIPTION: Filter press in final wastewater treatment plant. Upstairs, pressed sludge is dumped into a truck and taken to Dietz Hollow Landfill, located in Huntington, Cable County, West Virginia, where it must pass the TCLP test prior to being accepted.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

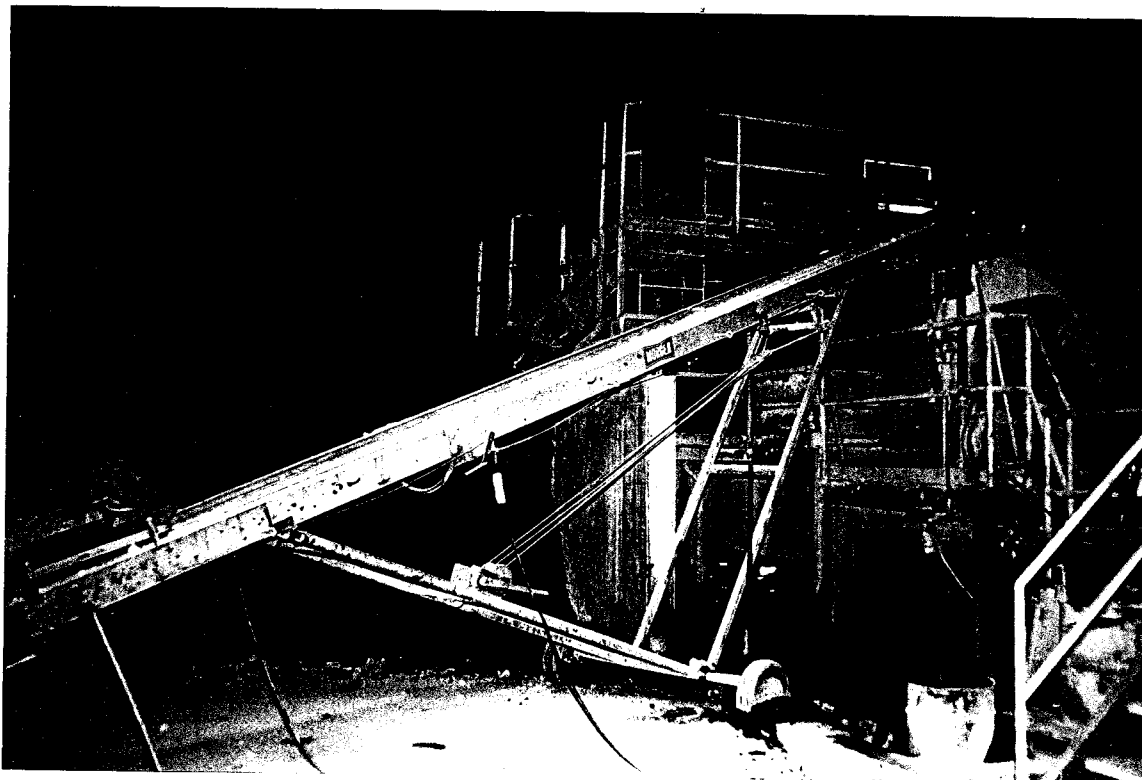
SWMU ID NO.: 008

DATE: January 21, 1992

LOCATION: Old Lagoon No. 1 Site, or,
(New) Liquid waste storage tank

PHOTO No.: 3 of Roll 2

DESCRIPTION: Liquid waste tank outside pickle house. This tank stores waste and mixes it before going to final treatment plant (interred into U1 lift station). Hazardous waste comes to this tank from holding tank in acid reclaim pre-treatment area.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

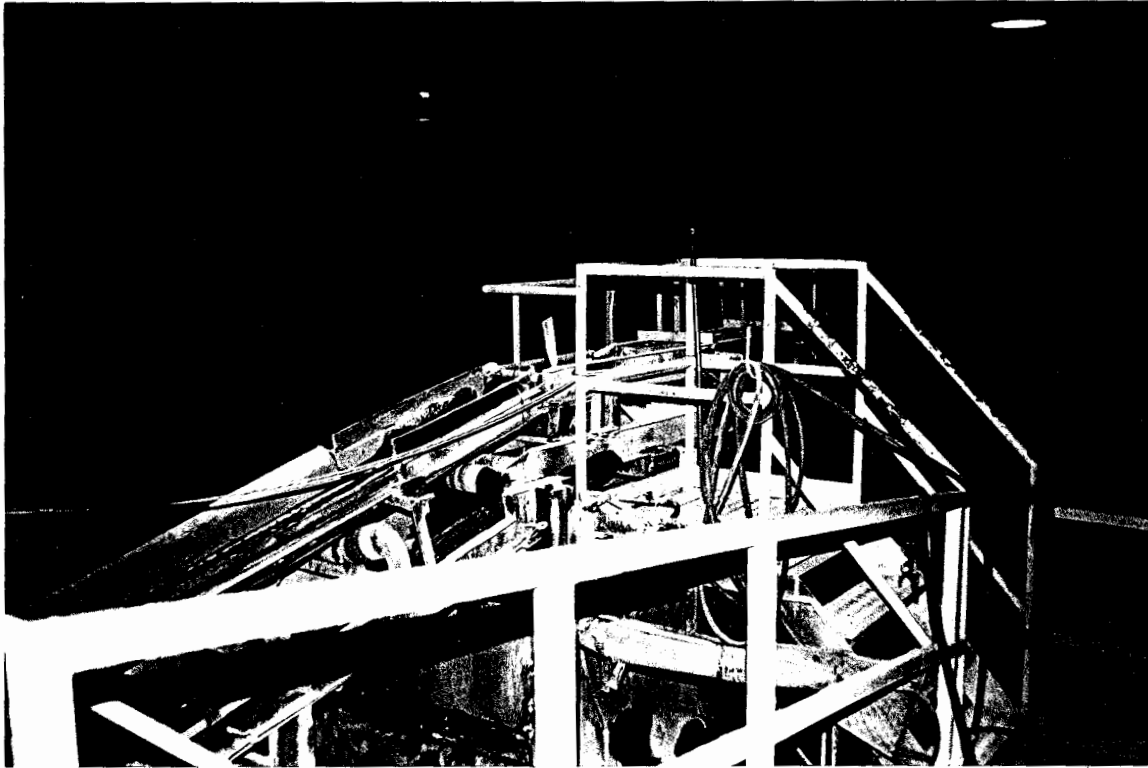
SWMU NO.: 19

DATE: January 21, 1992

LOCATION: Acid Reclaim Pre-treatment
(Storage of dewater sludge)

PHOTO No.: 4 of Roll 2

DESCRIPTION: Temporary storage, outside blender from filter press. If blender breaks down, blender mixes filter press cake with water to pump to furnace. This material is trivalent Chromium and, therefore, not hazardous; but after this material is roasted in furnace, it is converted to hexavalent chromium which Inco's Canadian company reclaims the metal from the roasted sludge.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

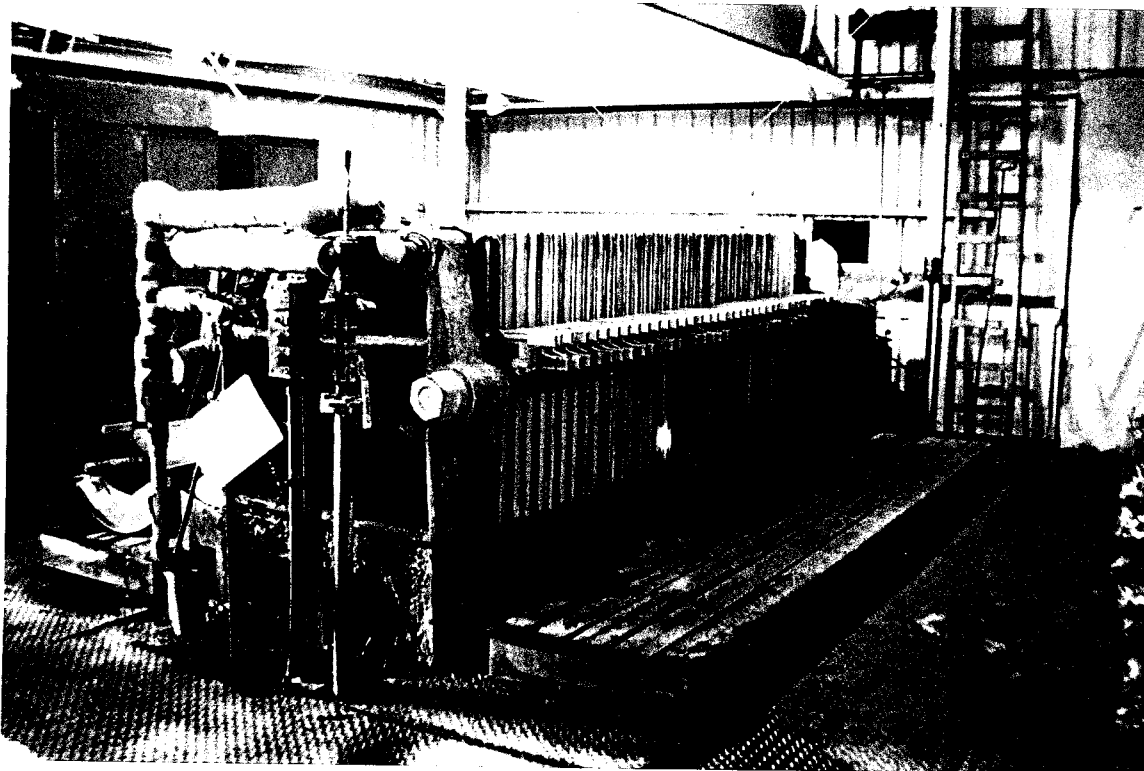
SWMU NO.:18

DATE: January 21, 1992

LOCATION: Acid Reclaim Pre-treatment
(Top of reslurry tank)

PHOTO No.: 5 of Roll 2

DESCRIPTION: Hopper and conveyor belt below filter press. Whole system is placed on concrete floor.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

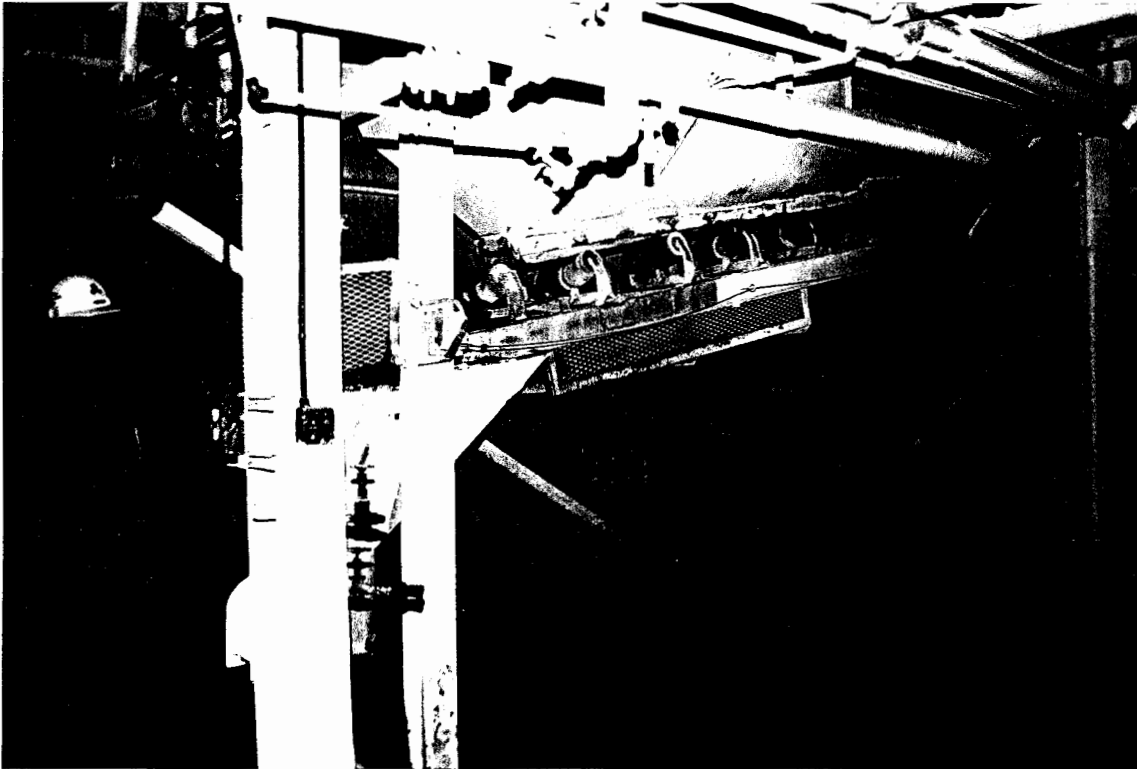
SWMU NO.: 17

DATE: January 21, 1992

LOCATION: Acid Reclaim Pre-treatment
(Filter Press)

PHOTO No.: 6 of Roll 2

DESCRIPTION: Filter press is shown. Sludge is received from neutralization tank and dewater prior to placement in the furnace.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

SWMU NO.: 17 thru 19

DATE: January 21, 1992

LOCATION: Acid Reclaim Pre-treatment

PHOTO No.: 7 of Roll 2

DESCRIPTION: Conveyer belt to filter press (placed on concrete floor) is shown.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

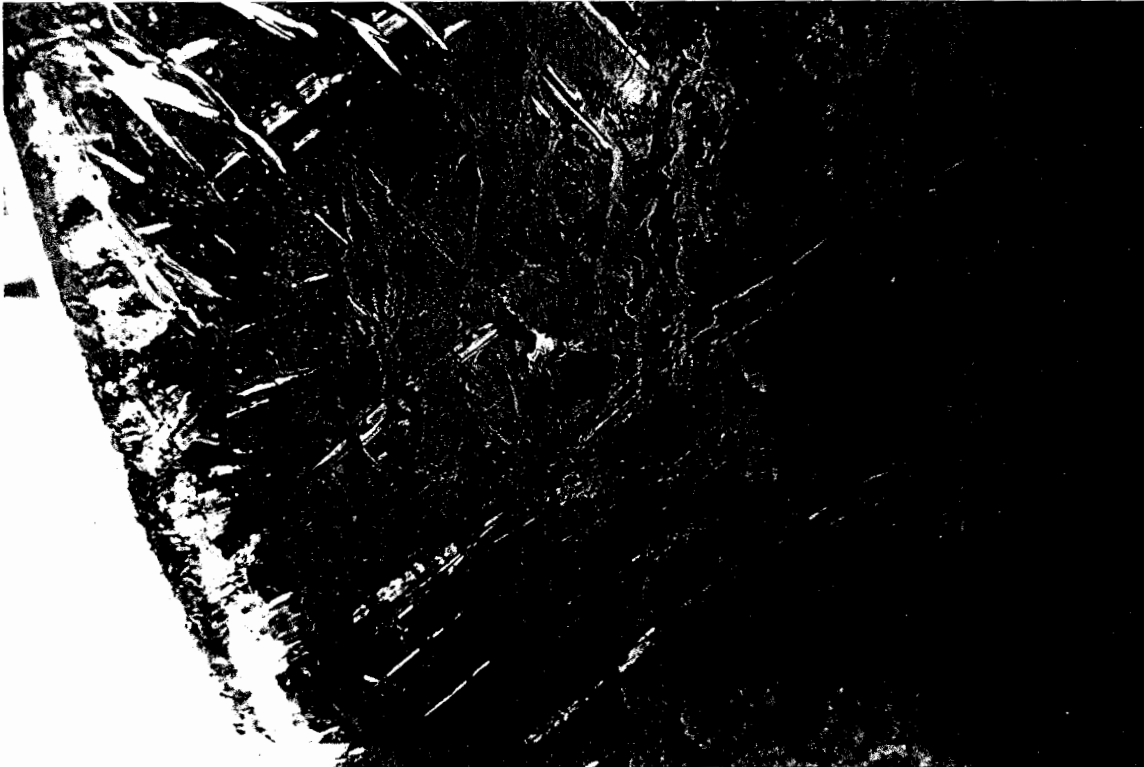
SWMU ID NO.: 006

DATE: January 21, 1992

LOCATION: Acid Reclaim Pre-treatment

PHOTO No.: 8 of Roll 2

DESCRIPTION: Neutralization (waste acid) tank located in enclosed building
- Note small overflow container at bottom of tank - goes to pretreatment, floor drain goes to final treatment unit.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

SWMU ID NO.: 003

DATE: January 21, 1992

LOCATION: Nitric-HF Storage Tank (removed) PHOTO No.: 9 of Roll 2

DESCRIPTION: Holes on side of nitric acid tank were noticed and documented during VSI, January 21, 1992.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

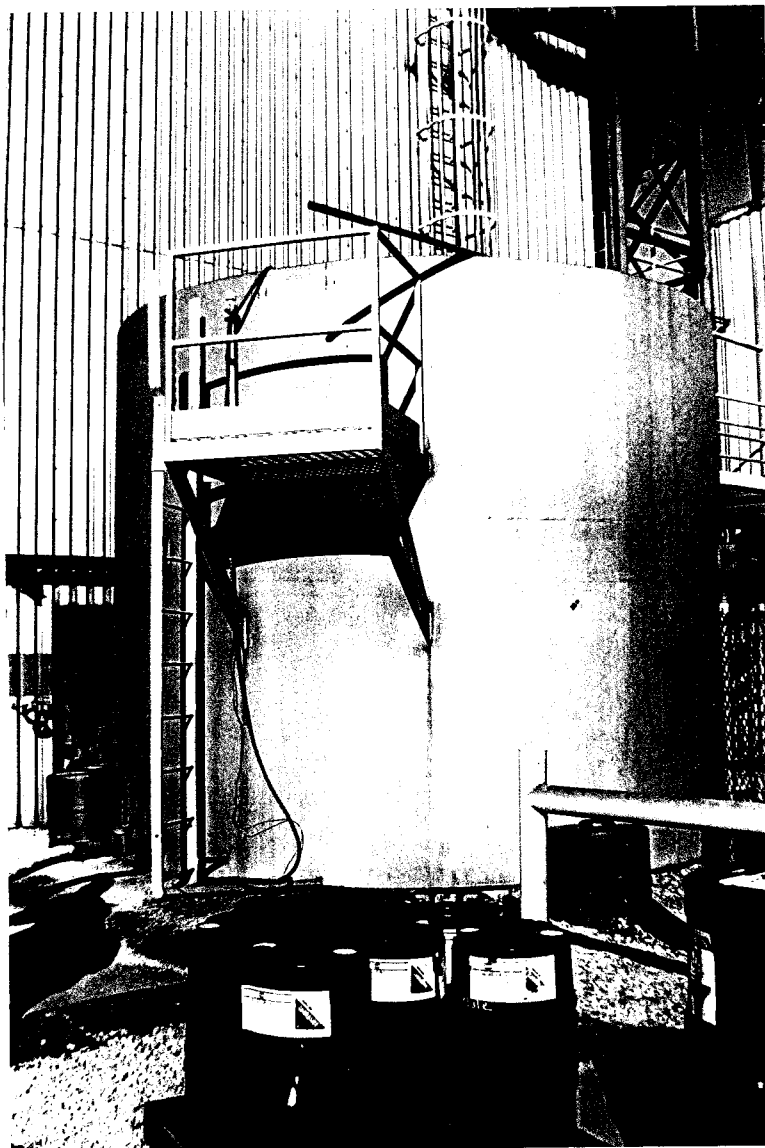
SWMU ID NO.: 003

DATE: January 21, 1992

LOCATION: Secondary Containment for Nitric-
HF Storage Tank (removed)

PHOTO No.: 10 of Roll 2

DESCRIPTION: Secondary containment to be decontaminated during closure of nitric acid tank. Final closure certification has not been submitted to the Office of Waste Management.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

SWMU NO.: 033

DATE: January 21, 1992

LOCATION: Spent Acid Storage Area

PHOTO No.: 11 of Roll 2

DESCRIPTION: Temporary sludge holding tank (will be going out of service) located next to monel tank. Drums in this picture are from a small plating operation (either copper or chrome solution) waiting to be put in monel tank. This is the only way to dispose of these drums due to the nonexistence of piping from plating operation to monel tank.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

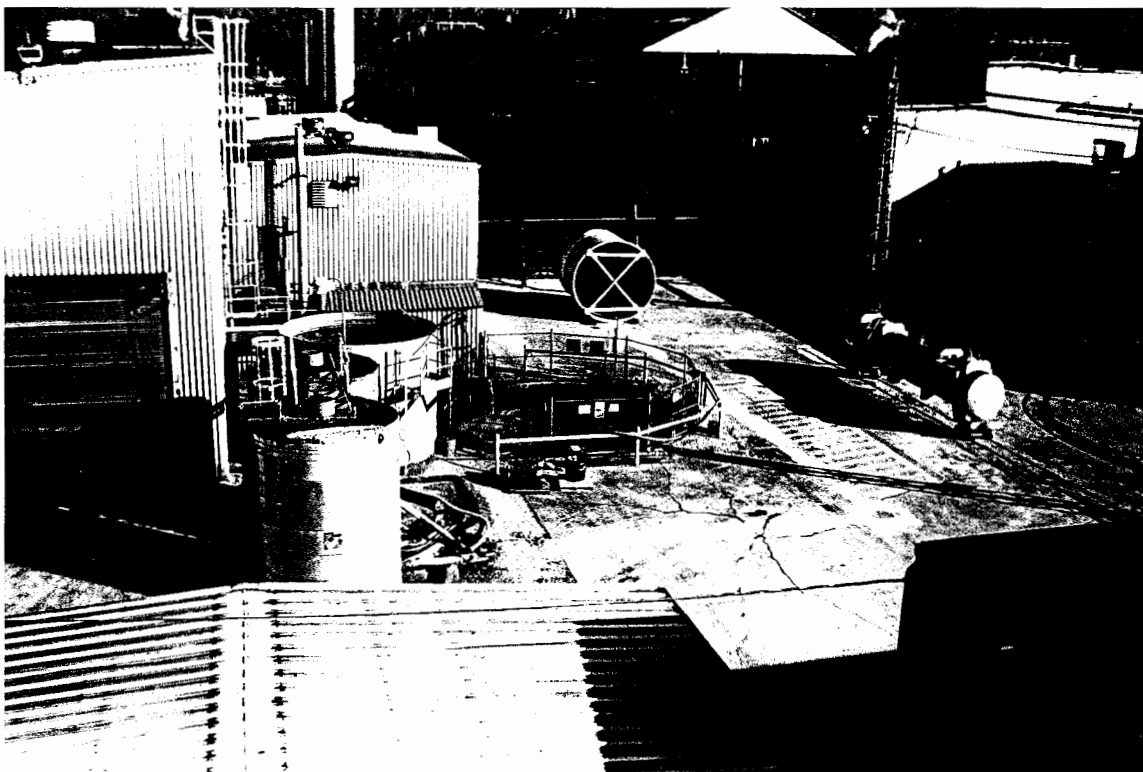
SWMU NO.: 21 thru 26

DATE: January 20, 1992

LOCATION: Pickel Rinsewater Pre-treatment
Plant

PHOTO No.: 12 of Roll 2

DESCRIPTION: Sludge holding tanks in the acid reclaim area. Sludge goes to monel tank for storage prior to treatment in neutralization tank.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

SWMU ID NO.: 005

DATE: January 21, 1992

LOCATION: Spent Acid Reclaim Area

PHOTO No.: 13 of Roll 2

DESCRIPTION: Acid reclaim area from the top of the pre-treatment tank.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

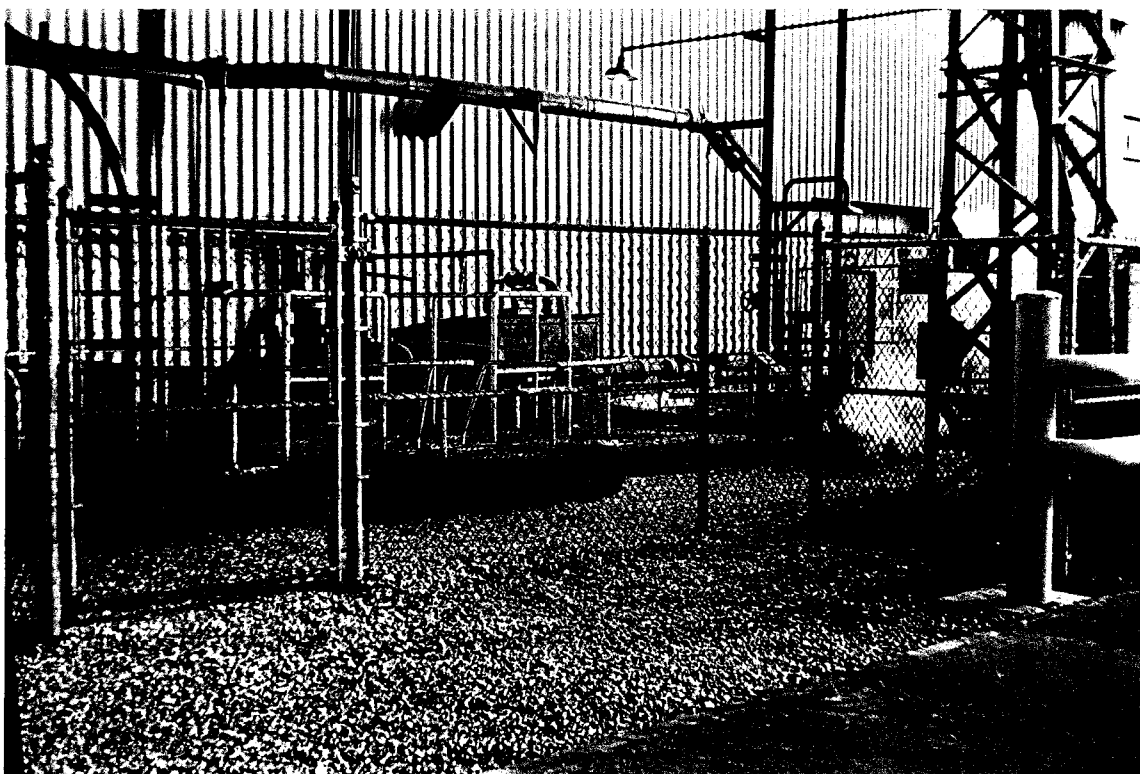
SWMU ID NO.: 003

DATE: January 20, 1992

LOCATION: Hazardous waste storage tank
(Nitric HF holding tank)

PHOTO No.: 1 of Roll 1

DESCRIPTION: Pictured is an 8,000 gallon holding tank that received hazardous waste from off-site, KY Plant, Nitric-HF tank. Tank was removed and prepared for shipment to off-site for disposal at the time of the VSI, January 20, 1992.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

SWMU ID NO.: 003 and 004

DATE: January 20, 1992

LOCATION: Spent Acid Storage Tank Area
(Nitric - HF Storage Tank removed)
(Waste Holding Tank in operation)

PHOTO No.: 2 of Roll 1

DESCRIPTION: Nitric Acid Tank removed from service and prepared for shipment to an off-site disposal area. This tank was a hazardous waste storage tank unit for the wastewater treatment plant (spent acid reclaim area). Tank's opening is shown in far left corner of the picture.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

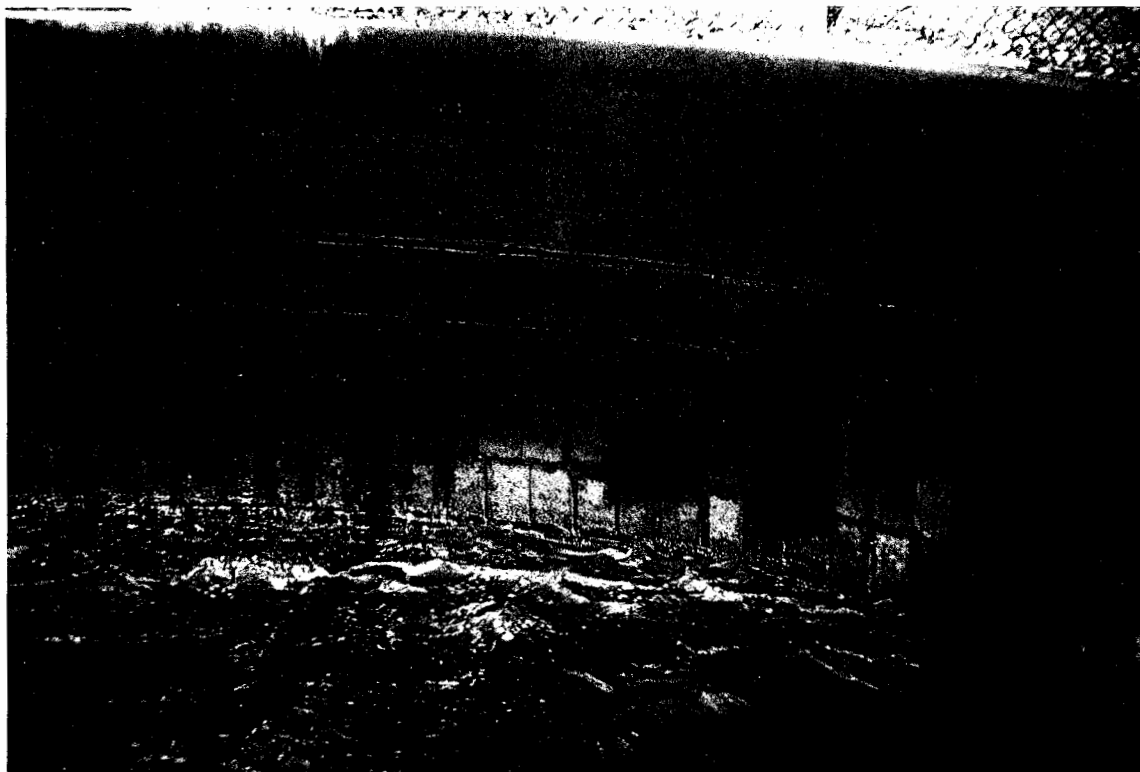
SWMU ID NO.: 005

DATE: January 20, 1992

LOCATION: Spent Acid Storage Area

PHOTO No.: 3 of Roll 1

DESCRIPTION: The rail tank brings waste to the storage area, then waste is gravity feed to storage tank (monel tank).



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

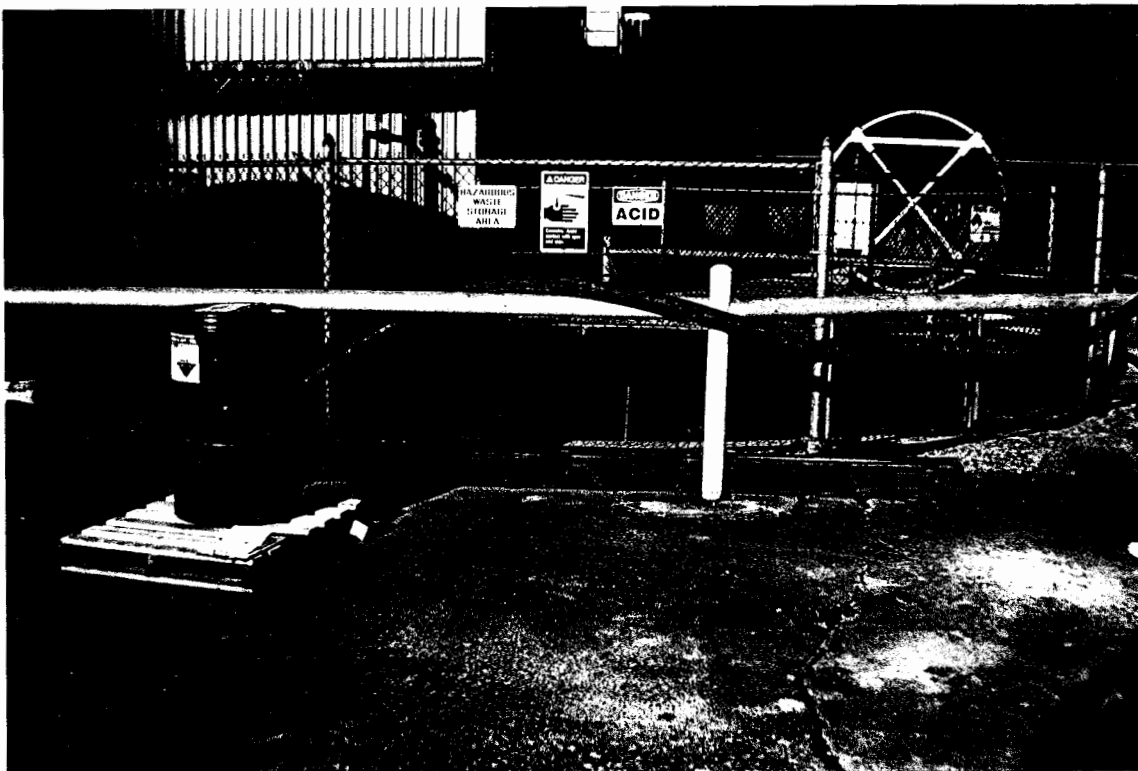
SWMU ID NO.: 005

DATE: January 20, 1992

LOCATION: Inside of Monel Tank

PHOTO No.: 4 of Roll 1

DESCRIPTION: Waste Acid storage tank is lined with acid proof bricks.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

SWMU ID NO.: 005

DATE: January 20, 1992

LOCATION: Spent Acid Storage Tank
(Monel Tank)

PHOTO No.: 5 of Roll 1

DESCRIPTION: Sludge from pretreatment is sent to this waste acid storage tank. All sumps from pickle houses are connected and pour to this tank. Metals are recovered from waste in this permitted hazardous waste storage tank for recovery.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

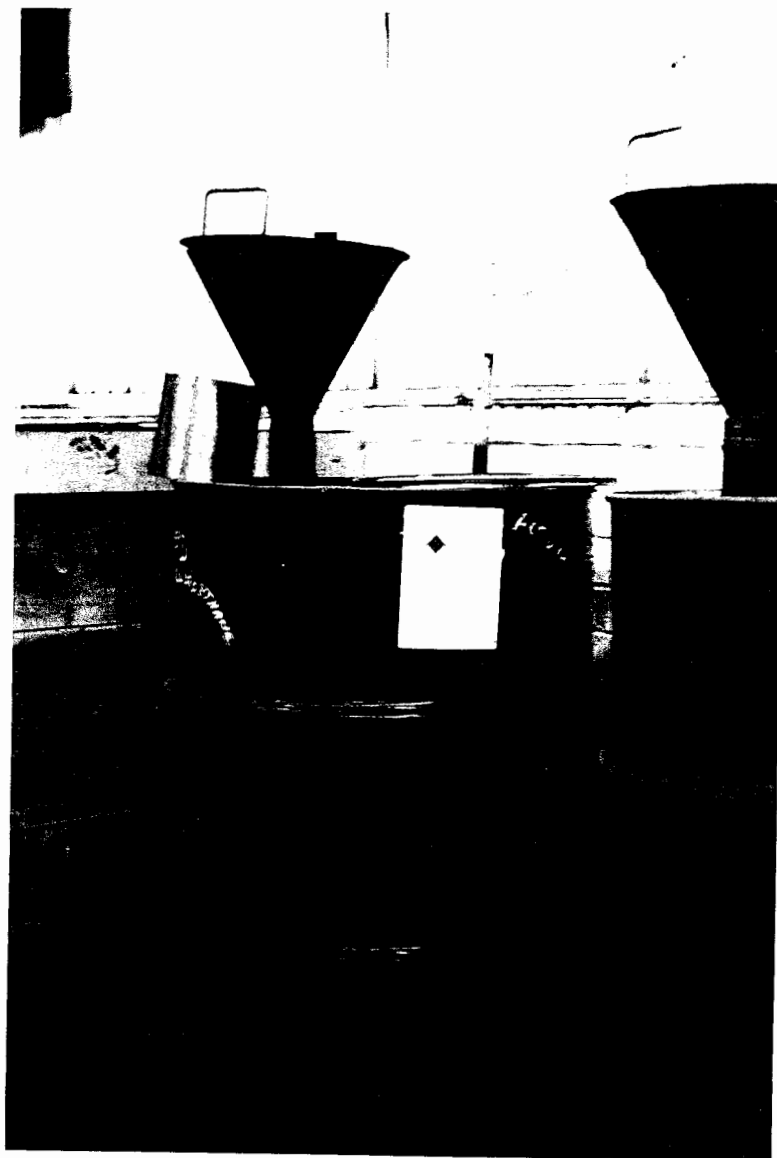
SWMU ID NO.: 14

DATE: January 20, 1992

LOCATION: Multi-Hearth Furnace Area.
(Hex. Chromium Spill Area)

PHOTO No.: 6 of Roll 1

DESCRIPTION: Acid Reclaim Pre-treatment area - metals are actually reclaimed here. Multihearth roasting furnace - exit door is shown. Hazardous waste sludge (hex. chrome) was spilled outside of furnace building. The gravel area was the site of contamination. Remedial investigation was performed.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

SWMU NO.: 27

DATE: January 20, 1992

LOCATION: Satellite Accumulation Area

PHOTO No.: 7 of Roll 1

DESCRIPTION: Cold Draw Building. Waste 1, 1, 1 Tri-Chloroethane generates approximately 1 dm/year.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

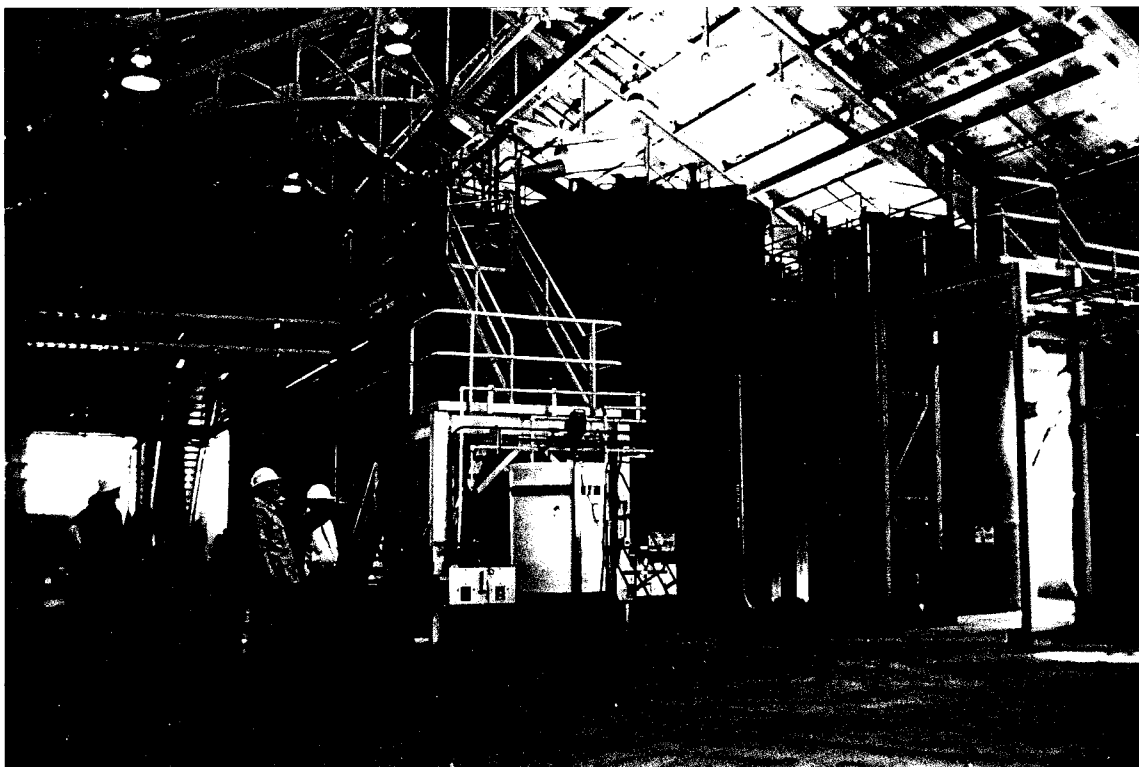
SWMU NO.: 27

DATE: January 20, 1992

LOCATION: Satellite Accumulation Area

PHOTO No.: 8 of Roll 1

DESCRIPTION: Cold Draw Building - Dye Check Area. Rods, burs and tubing are tested here. Generates 1, 1, 1 tri-chloroethene, about 3-4 drums/yr. Satellite Accumulation Area.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

SWMU NO.: 28

DATE: January 20, 1992

LOCATION: Inside view of the wastewater
treatment plant.

PHOTO No.: 9 of Roll 1

DESCRIPTION: Shown are pumping stations U1 & U2. Waste water is transferred to two (2) 50,000/gallon tanks. One tank is for heavy metals (Hazardous Waste) and the other tank is for non-hazardous; in parallel system. Reactors are also inside the building.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

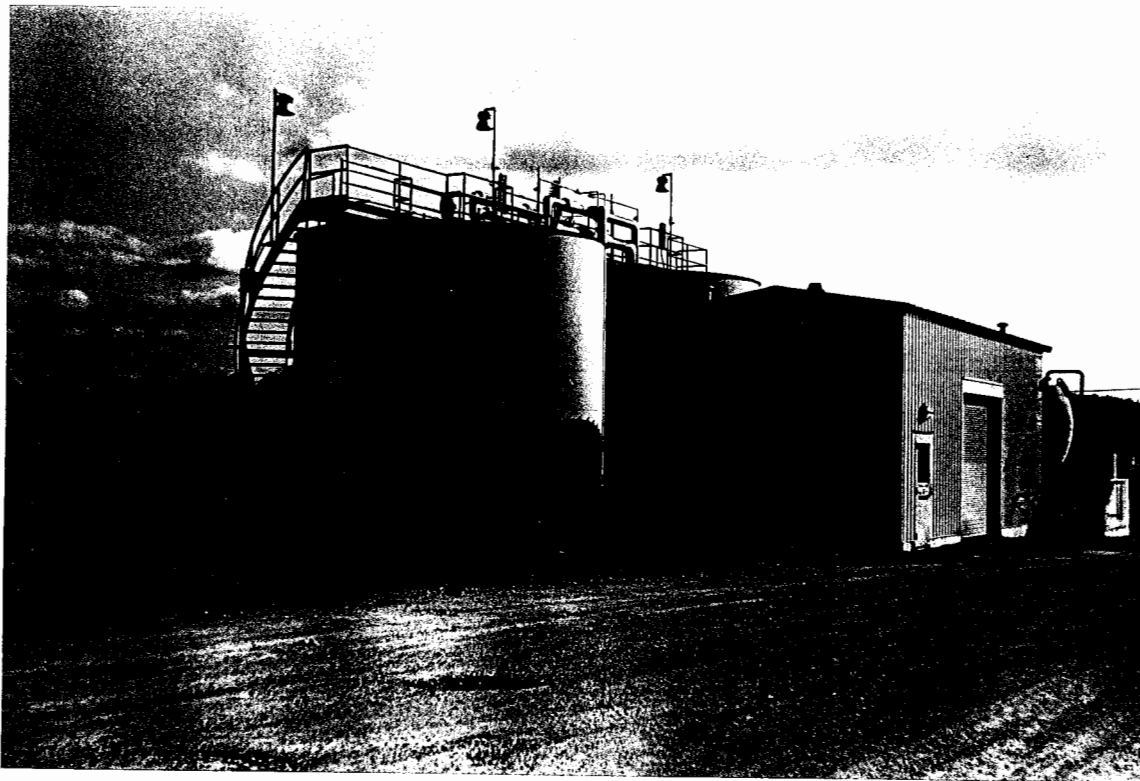
AOC NO.: 002

DATE: January 20, 1992

LOCATION: Seven (7) Underground Storage
Tanks

PHOTO No.: 10 of Roll 1

DESCRIPTION: Excavated seven (7) previously used Underground Storage Tanks. Hydraulic oil was stored in these tanks which were removed from service at the facility..



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

AOC NO.: 003

DATE: January 20, 1992

LOCATION: Sulfuric Acid Storage Tank
(Location of spill in 7/90)

PHOTO No.: 11 of Roll 1

DESCRIPTION: Shown with picture are: 1) 500,000 gallon surge tank and
2) 50,000 gallon equilization tank, both are part of the
waste water treatment system.



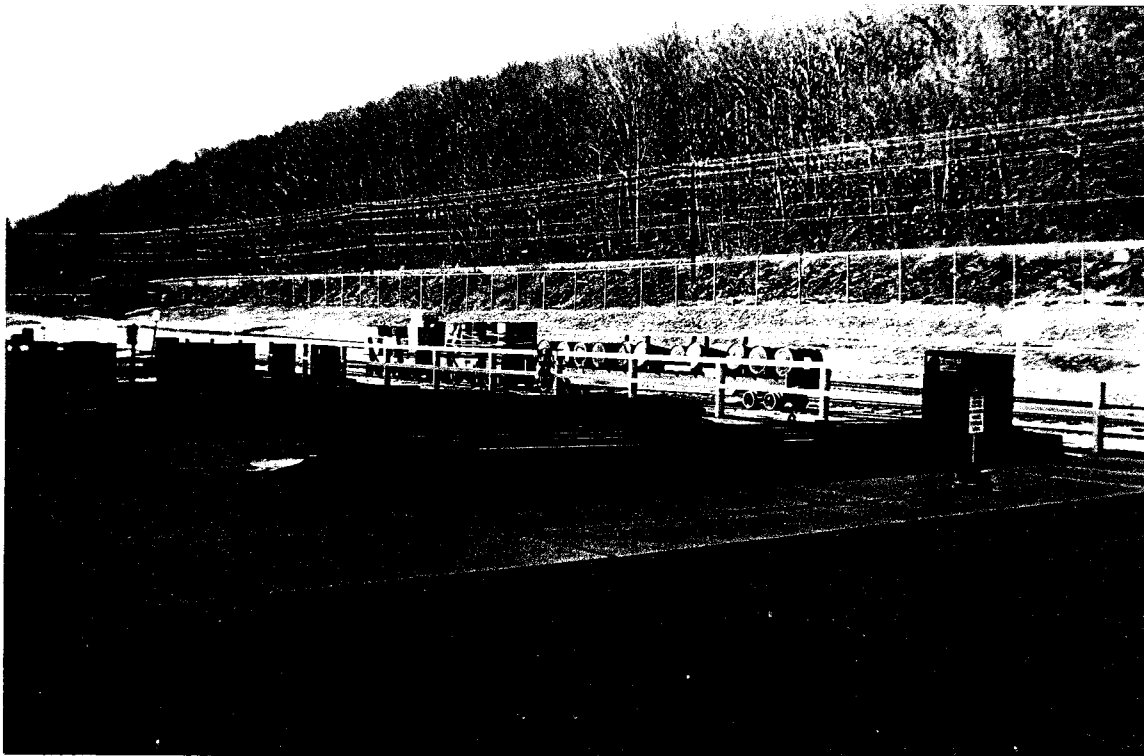
FACILITY: INCO ALLOYS INTERNATIONAL, INC.

SWMU ID NO.: 001

DATE: January 20, 1992

LOCATION: Hazardous Waste Drum Storage Area PHOTO No.: 12 of Roll 1
(Cell No. 3)

DESCRIPTION: This is a non-liquid drum storage area. Twenty (20) drums were stored in storage area at the time of the VSI, Jan. 20, 1992.



FACILITY: INCO ALLOYS INTERNATIONAL, INC.

SWMU ID NO.: 001

DATE: January 20, 1992

LOCATION: Hazardous Waste Drum Storage Area PHOTO No.: 13 of Roll 1
Cells No. 1 and 2

DESCRIPTION: Cell #1 & 2 - #1 non-ignitable liquids discharge from pans goes directly to City Sewer System. 2" discharge w/ gate valve (not locking) - Valve in #2 pan is open to dock but no waste in storage presently. Mini rail brings drums to this area then unloaded by fork lift. Many drums shown are product drums, to the east of container storage area. These drums are returnable for credit.